

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/003238

**A. CLASSIFICATION OF SUBJECT MATTER**  
Int.Cl<sup>7</sup> H04B10/04, 10/06, 10/142, 10/152, H04Q7/36

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> H04B10/04, 10/06, 10/142, 10/152, H04Q7/36

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005  
 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-135211 A (Telecommunications Advancement Organization of Japan), 10 May, 2002 (10.05.02), Claim 1; Figs. 1, 2 (Family: none)	1-14
A	JP 2000-310800 A (ATR Adaptive Communications Research Laboratories), 07 November, 2000 (07.11.00), Claim 1; Fig. 5 & US 6674969 B1	1-14

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
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"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"&"	document member of the same patent family

Date of the actual completion of the international search  
24 May, 2005 (24.05.05)Date of mailing of the international search report  
07 June, 2005 (07.06.05)Name and mailing address of the ISA/  
Japanese Patent Office

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